



MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Gensteel Doors Inc.
4950 Hickmore Street
Ville St. Laurent, Quebec, Canada H4T1K6

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Section and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "GenStorm" Inswing Opaque Steel Doors

APPROVAL DOCUMENT: Drawing No. **AD11-04**, titled "Genstorm Opaque Inswing Door - LMP", sheet 1 through 8 of 8, dated FEB 21, 2012, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitation:

1. See Design Pressures & corresponding Hardware in sheets 1 & 6. Max. Exterior (positive) DP= +33 (double), +65 (Single) w/ PEMKO-177 AT threshold, where water infiltration requirement is needed.
2. Options #1, 2 & #3 require total two (2) flush bolts (top/bottom) on in-active panel.

LABELING: Each unit shall bear one of the following permanent labels:

Gensteel Doors Inc.	Gensteel Doors Inc.	North American Doors Corp.
4950 Hickmore Street	2335 Industrial Park Drive	1471 Military Turnpike
Ville St. Laurent, Quebec, Canada H4T1K6	Cornwall, Ontario, Canada K6H7M4	Plattsburgh, NY 12901-1911

and series/model and the statement: "Miami-Dade County Product Control Approved".

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY
APPROVED

NOA No 11-0907.01
Expiration Date: February 23, 2017
Approval Date: March 08, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **AD11-04**, titled "Genstorm Opaque Inswing Door - LMI", sheet 1 through 8 of 8, dated FEB 21, 2012, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94 (w/ PEMO 177 AT)
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
 - 7) Tensile Test, per ASTM A370-05

Along with marked-up drawings and installation diagram of Genstorm Opaque Double & Single Swinging Doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s). **6491**, dated 05/31/11, signed and sealed by Martin D. Brinson, P.E.

Note: This test report has addendum letter dated Nov 11, 2011 issued by Fenestration Testing lab, signed and sealed by Martin D. Brinson, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007 & FBC 2010, prepared by MCY Engineering, Inc, dated 08/31/11 and last revised on 12/03/12, signed and sealed by Yiping Wang, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

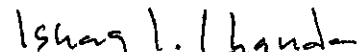
1. Tensile Test, per ASTM A370-05 item B (1) (7)
2. Tensile test report NO. FTL 6745 per ASTM A370-05 dated 12/01/11, issued by Fenestration Testing Lab, signed and sealed by Martin D. Brinson, P.E.

F. STATEMENTS

1. Statement letter of conformance dated 12/04/11, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.
2. Statement letter of no financial interest dated 08/04/11, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.
3. Statement letter of Lab. Compliance, as a part of above test reports.
4. Addendum letter dated 11/11/11 issued by FTL, signed & sealed by Martin D. Brinson, P.E.

G. OTHER

1. Test proposals # **10-0769R** dated 11/27/11 and e-mail 11/01/10 approved by PERA.
2. Distribution agreement between GenSteel Door, Canada & North American Door Corp, N.Y. dated 10/22/10, signed by Bruno Gervasi and Antonio Gervasi, respectively.



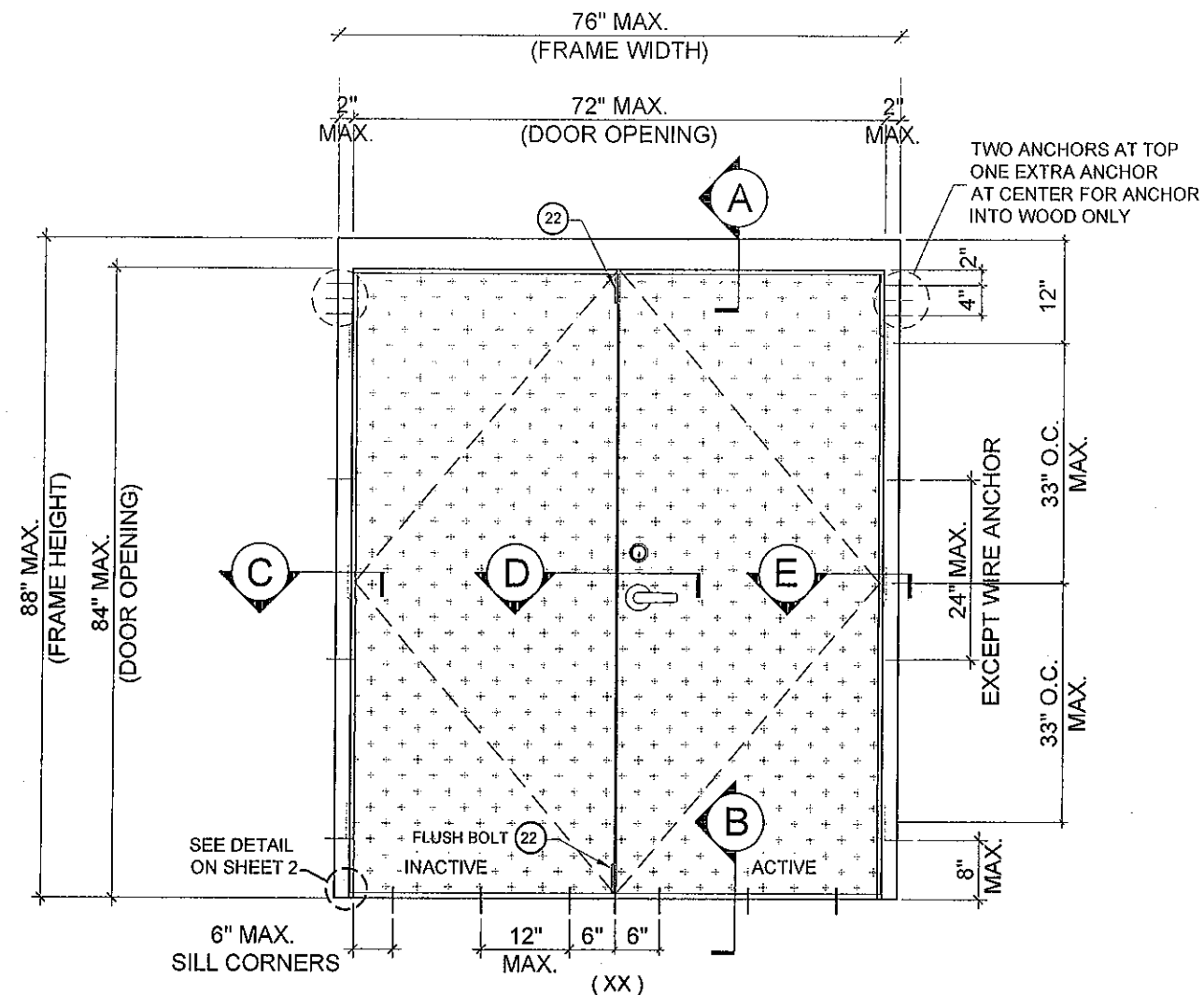
Ishaq I. Chanda, P.E.

Product Control Examiner

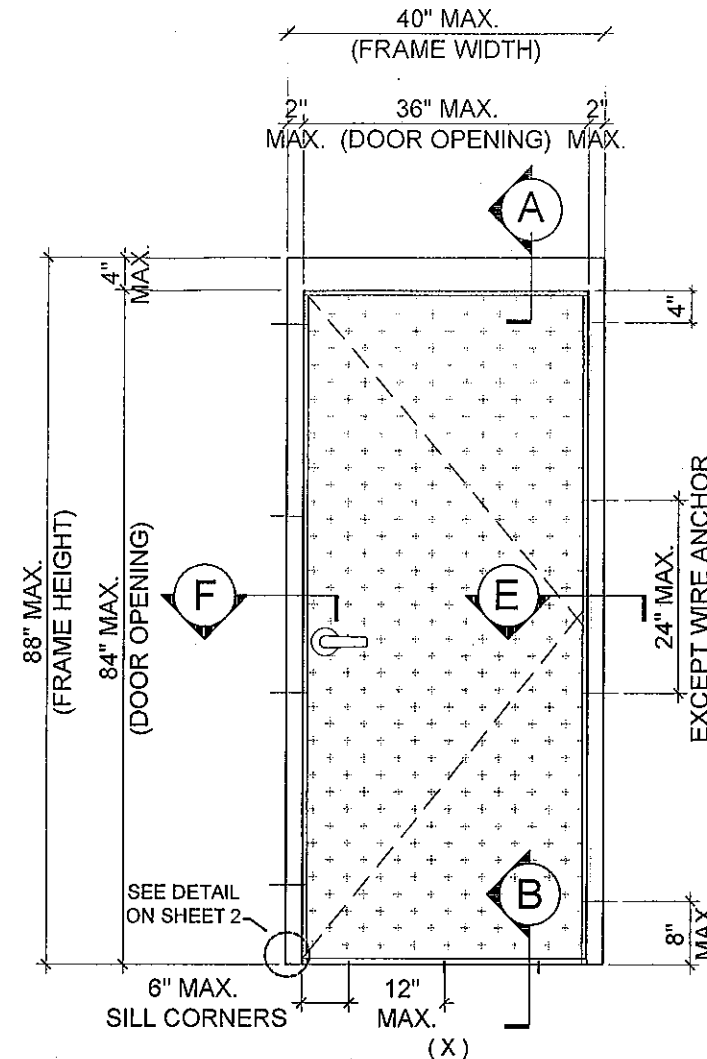
NOA No 11-0907.01

Expiration Date: February 23, 2017

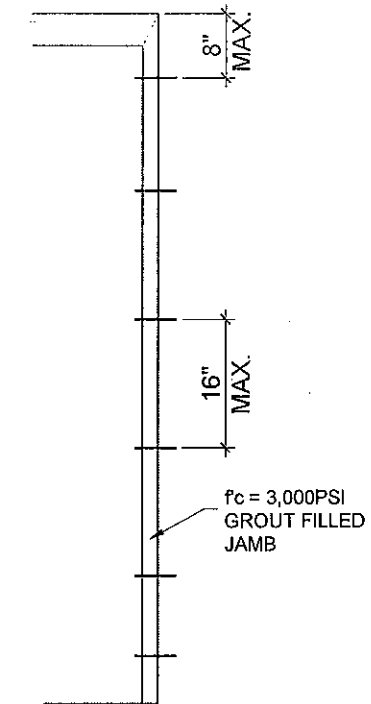
Approval Date: March 08, 2012



TYPICAL EXTERIOR ELEVATION
(DOUBLE PANEL INSWING DOOR)



TYPICAL EXTERIOR ELEVATION
(SINGLE PANEL INSWING DOOR)



WIRE ANCHOR LAYOUT

SERIES GENSTORM OPAQUE INSWING STEEL DOOR (LMI)

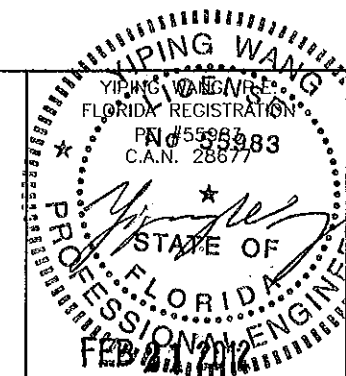
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007/2010 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS RATED FOR LARGE MISSILE IMPACT AND DO NOT REQUIRE SHUTTERS.
- SEE DOOR DESIGN LOAD CHART FOR APPLICABLE WATER RATING WITH SILL PEMKO 177-AT OR PEMKO 2005 AT
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS.
- METAL STRUCTURES NOT BY GENSTEEL DOOR CO. MUST SUPPORT LOADS IMPOSED BY DOOR SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

- WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- A LOAD DURATION FACTOR IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- DOOR PANEL: MIN. 20 GA. STEEL MIN. $F_y = 47.3$ KSI MIN. DOOR FRAME: MIN. 18 GA. STEEL MIN. $F_y = 47.3$ KSI MIN
- DOOR PANEL STAINLESS OPTION: 20 GA STAINLESS STEEL DOOR PANEL MEETING MIN. $F_y = 47.3$ ksi OR BETTER MAY QUALIFY HAVING "MIL-CERTIFICATE" AS A VERIFICATION OF THE AVAILABLE MIN. YIELD STRENGTH.
- DOOR FRAME STAINLESS OPTION: 18 GA STAINLESS STEEL DOOR FRAME MEETING MIN. $F_y = 47.3$ ksi OR BETTER MAY QUALIFY HAVING "MIL-CERTIFICATE" AS A VERIFICATION OF THE AVAILABLE MIN. YIELD STRENGTH.

NOTES:
EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

DOOR DESIGN LOAD				
FOR SIZES SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC	DOUBLE DOOR		SINGLE DOOR	
	WITH SILL PMK 177-AT	WITH SILL PMK 2005AT	WITH SILL PMK 177-AT	WITH SILL PMK 2005AT
NOT APPROVED FOR WATER INFILTRATION	+65.0 PSF	+65.0 PSF	+65.0 PSF	+65.0 PSF
	-65.0PSF	-65.0PSF	-65.0PSF	-65.0PSF
APPROVED FOR WATER INFILTRATION	+33.0 PSF	+33.0 PSF	+65.0 PSF	+33.0 PSF
	-65.0PSF	-65.0PSF	-65.0PSF	-65.0PSF

Approved as complying with the
Florida Building Code
Date MM 08, 2012
NOA# 11-0907-01
Miami Dade Product Control
By Shag J. Chande



MIAMI DADE COUNTY

GENSTORM OPAQUE INSWING STEEL DOOR (LMI)

gensteeldoors

4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
Tel: (514) 733-3562 Fax: (514) 733-1932
www.gensteeldoors.com

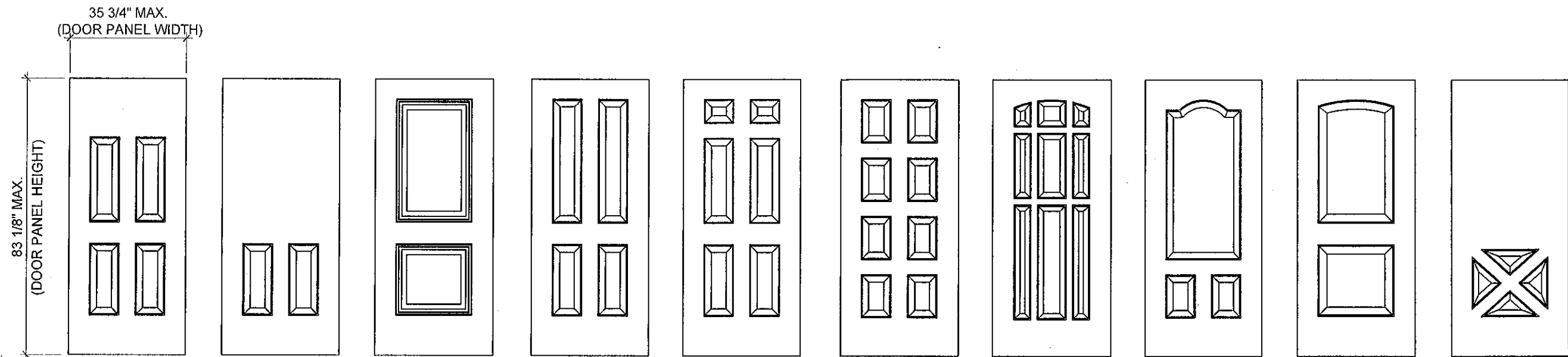
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A
MIAMI, FL 33183
P: 305.271.0117
F: 786.573.5063

MCY Engineering@Att.net
www.MCYUS.com

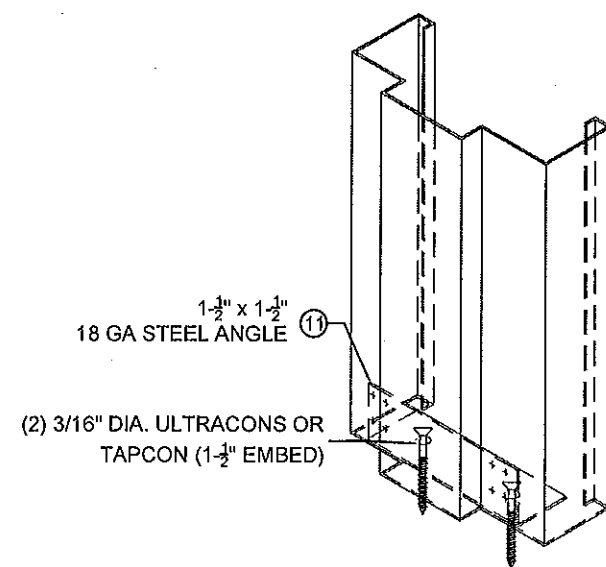
REVISIONS	DESCRIPTION
NO DATE	

DATE	02-02-12
SCALE	N.T.S.
DRAWN	S.L.
PROJECT	11-007
DRAWING NO.	AD11-04
SHEET 1 OF 8	

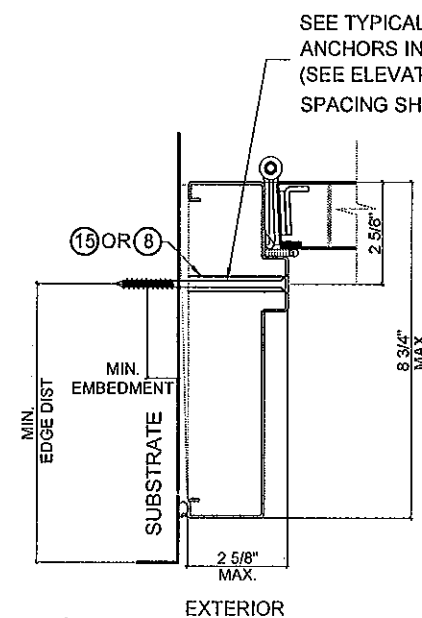


OPTIONAL EMBOSSED DOOR LEAF PATTERNS (MIN Fy = 47.3 KSI)

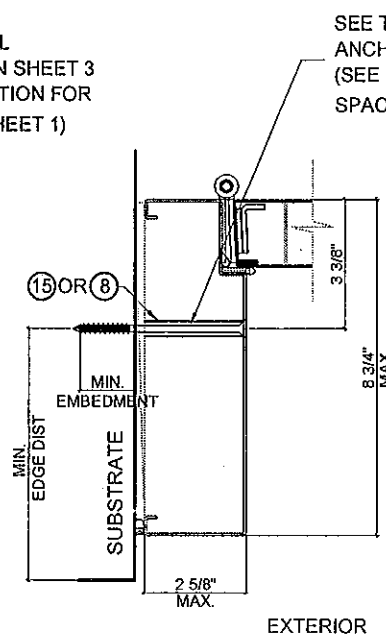
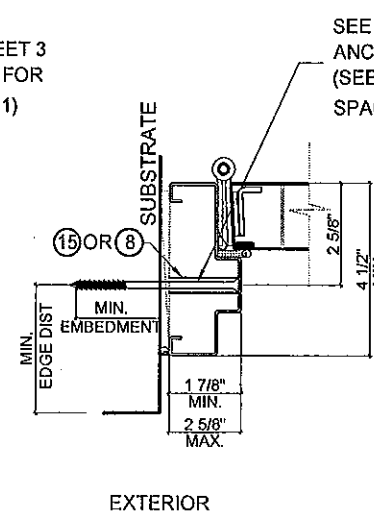
Approved as complying with the
Florida Building Code
Date 03/08/12
NOAH 11-0907-01
Miami State Product Control
By Ishag I. I. I. I.



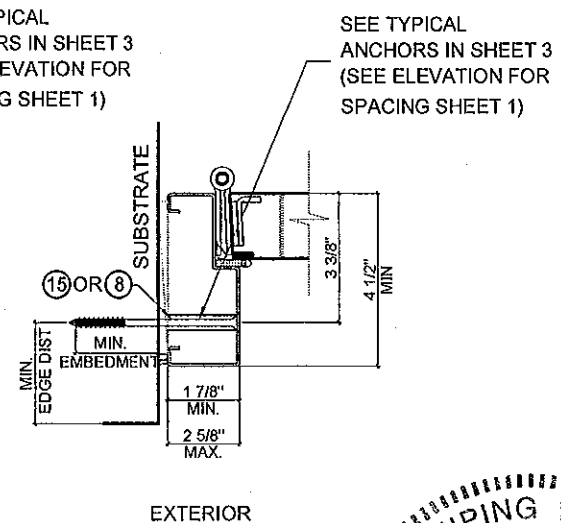
BOTTOM CORNER ANCHOR DETAIL
(OPTIONAL)



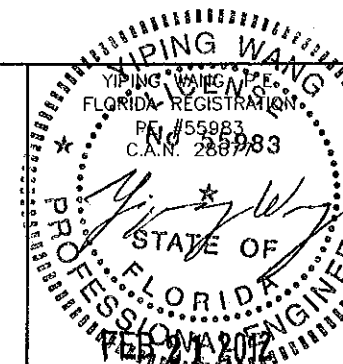
DOUBLE RABBIT ANCHOR LOCATION



SINGLE RABBIT ANCHOR LOCATION



MIAMI DADE COUNTY



REVISIONS	
NO.	DATE

MCY ENGINEERING, INC.
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MIAMI, FL 33183
www.MCYUS.com

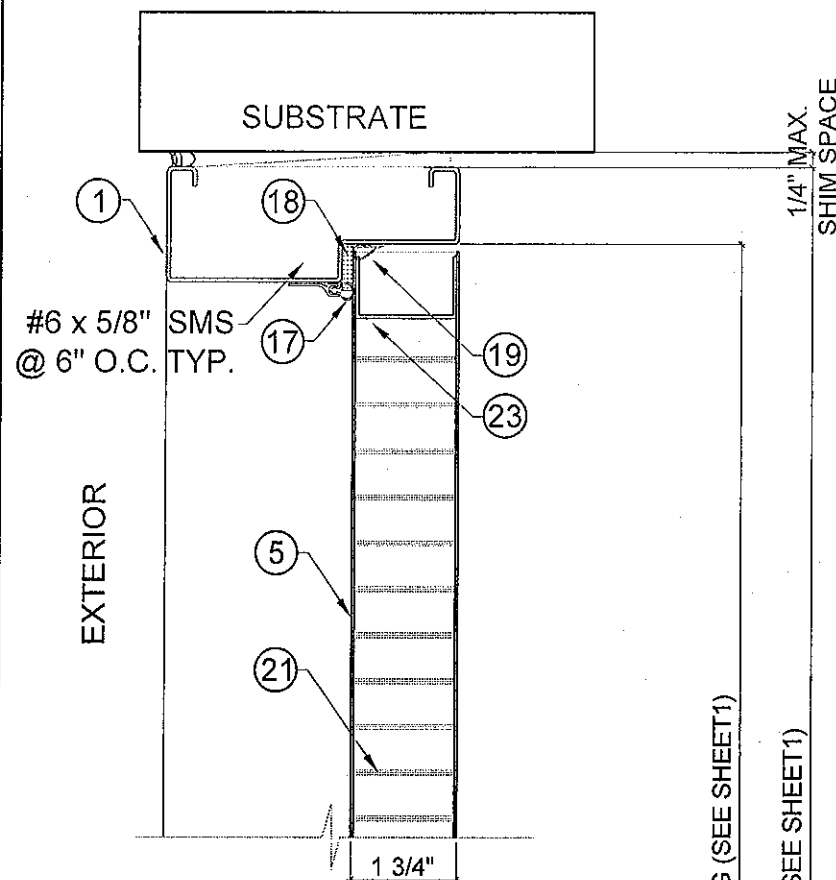
P: 305.271.0117
F: 786.573.5063
MCY.Engineering@Att.net

GENSTORM OPAQUE INSWING STEEL DOOR (LMI)

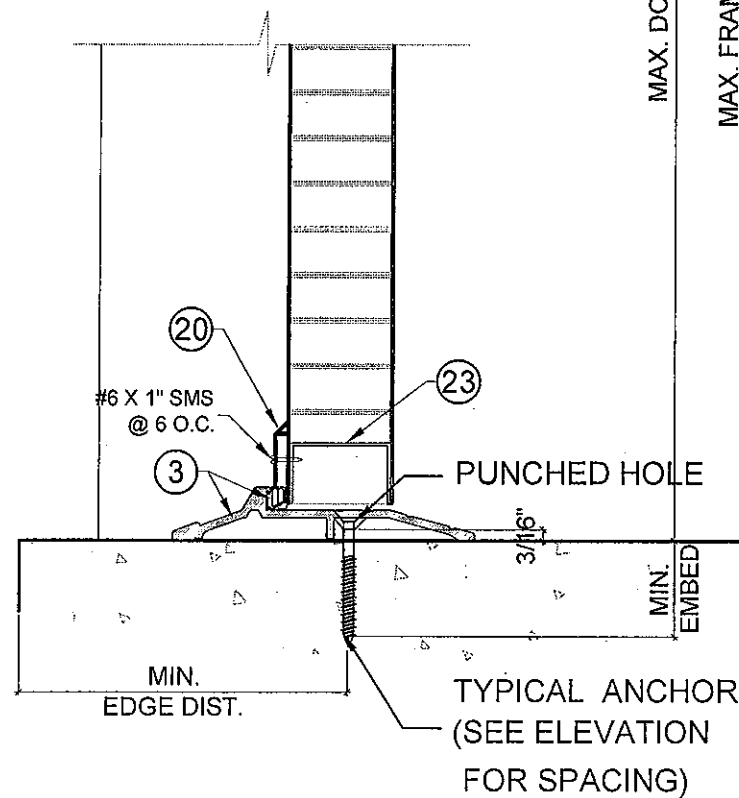
gensteel doors
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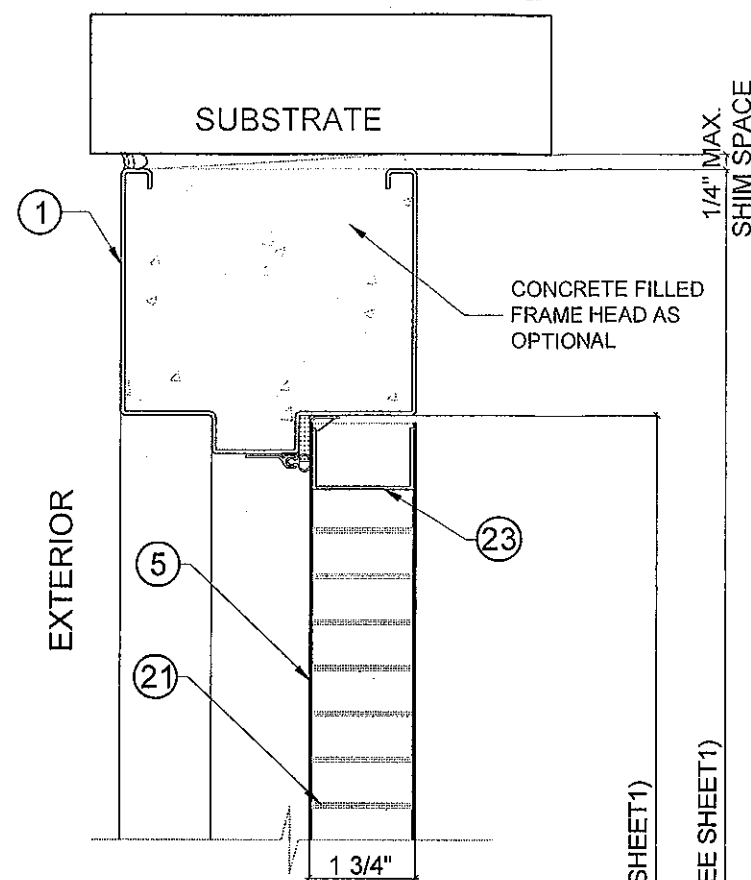
DATE	02-02-12
SCALE	NTS
DRAWN	S.L.
PROJECT	11-007
DRAWING NO.	AD11-04
SHEET	2 OF 8



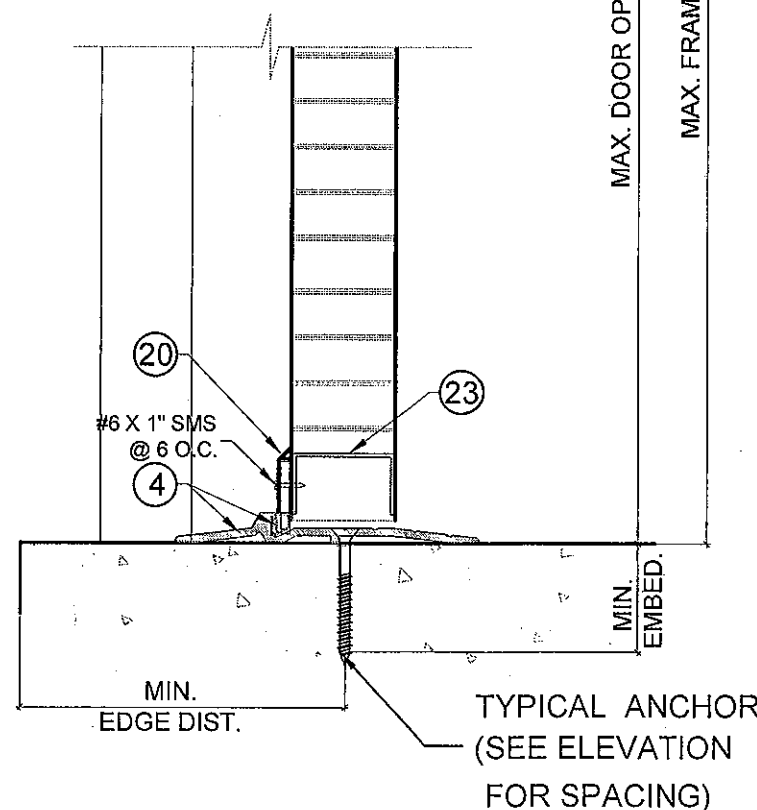
HEAD DETAIL
(SINGLE RABBET FRAME) A



TYPICAL PEMKO 177-AT THRESHOLD
WATER RATED THRESHOLD
(SEE Dp TABLE ON SHEET 1) B



HEAD DETAIL
(DOUBLE RABBET FRAME) A



TYPICAL PEMKO 2005AT THRESHOLD
NON-WATER RATED THRESHOLD
(SEE Dp TABLE ON SHEET 1) B

TYPICAL ANCHORS @ JAMB: (REFER TO ELEVATION FOR SPACING)

TYPE A. 5/16" DIA. TAPCONS BY 'ITW' $F_y=90$ KSI $F_u=120$ KSI
DIRECTLY INTO 2BY WOOD BUCK
DIRECTLY INTO CONCRETE BLOCK $f_c=2000$ PSI
DIRECTLY INTO $f_c=3000$ PSI CONCRETE
1-1/2" MIN. EMBED
2-1/2" MIN. EDGE DISTANCE

TYPE B. 3/8" DIA. HLC SLEEVE ANCHOR BY 'HILT'
DIRECTLY INTO $f_c=3000$ PSI CONCRETE, 3" MIN. EDGE DIST.
DIRECTLY INTO $f_c=2000$ PSI CONCRETE BLOCK, 3-1/2" MIN. EDGE DIST.
1-1/4" MIN. EMBED & 3-3/4" MIN. SPACING

TYPE C. 3/8" DIA. SLEEVE ANCHOR BY 'WEJ-IT'
DIRECTLY INTO $f_c=4000$ PSI CONCRETE, 2-3/8" MIN. EMBED
DIRECTLY INTO $f_c=2000$ PSI CONCRETE BLOCK, 1-1/4" MIN. EMBED
3-1/2" MIN. EDGE DISTANCE & 4" MIN. O.C. SPACING

TYPE D. 3/8" DIA. POWER BOLT BY 'POWERS'
DIRECTLY INTO $f_c=3000$ PSI CONCRETE
2-1/2" MIN. EMBED
3" MIN. EDGE DISTANCE & MIN. 4" O.C. SPACING

TYPE E. 5/16" DIA. SMS OR MACHINE BOLTS (MIN. GRADE 2 CRS) OR ST/ST
STEEL : $F_y=36$ KSI MIN.
INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)
ALUMINUM : 6063-T6 MIN.
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPE G. WIRE ANCHOR ($F_y=60$ ksi.)
0.173 DIA. STEEL WIRE ANCHORS EMBED INTO FILLED CONCRETE BLOCK

TYPICAL ANCHORS @ THRESHOLD:

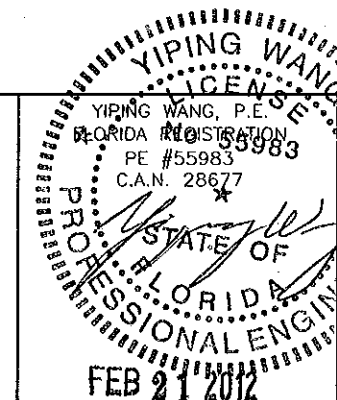
TYPE F. 1/4" OR 5/16" DIA. ULTRACONS BY 'ELCO' $F_y=155$ KSI $F_u=177$ KSI
DIRECTLY INTO $f_c=3000$ PSI MIN. CONCRETE
1-1/2" MIN. EMBED
2-1/2" MIN. EDGE DISTANCE

1/4" TAPCON BY ITW $F_y=90$ KSI $F_u=120$ KSI
DIRECTLY INTO $f_c=3000$ PSI MIN. CONCRETE
1-1/2" MIN. EMBED
2-1/2" MIN. EDGE DISTANCE

SEALANT:
ALL FRAME JOINTS AND CORNERS TO BE SEALED
WITH SILICONE AT PERIMETER

Approved as complying with the
Florida Building Code
Date 03/02/12
NOA# 11-0902-01
Miami Dade Project Control
By 1shag1.Chande

MIAMI DADE COUNTY



REVISIONS	DESCRIPTION
NO	DATE

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

MCY

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MIAMI, FL 33183
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F: 786.573.5063
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GENSTORM OPAQUE INSWING STEEL DOOR (LMI)

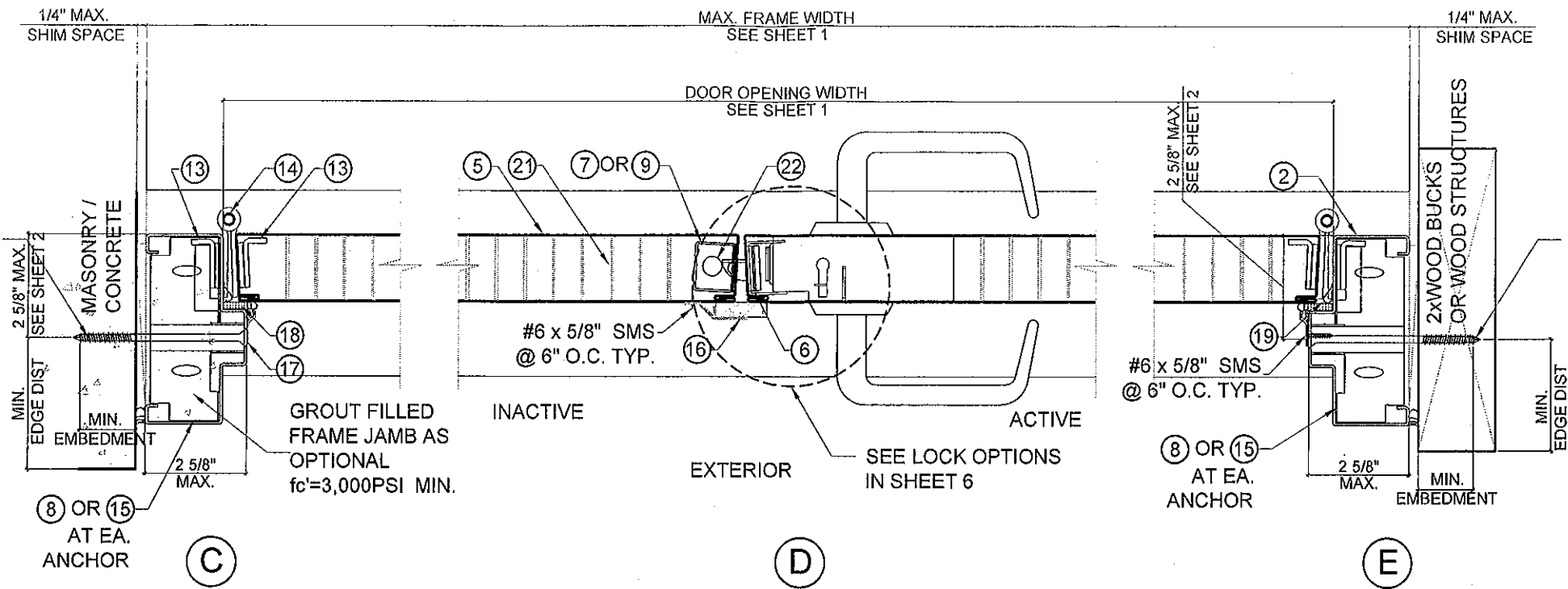
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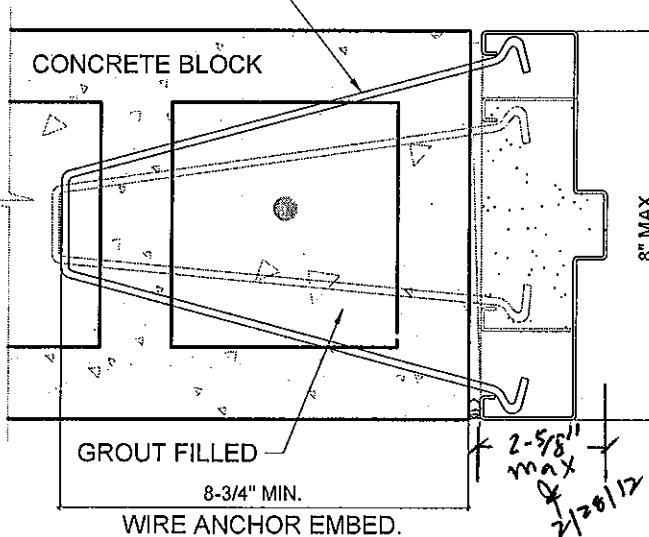
DATE	02-02-12
SCALE	NTS.
DRAWN	S.L.
PROJECT	11-007
DRAWING NO.	AD11-04

SHEET 3 OF 8

SEE TYPICAL
ANCHORS IN SHEET 3
(SEE ELEVATION FOR
SPACING SHEET 1)

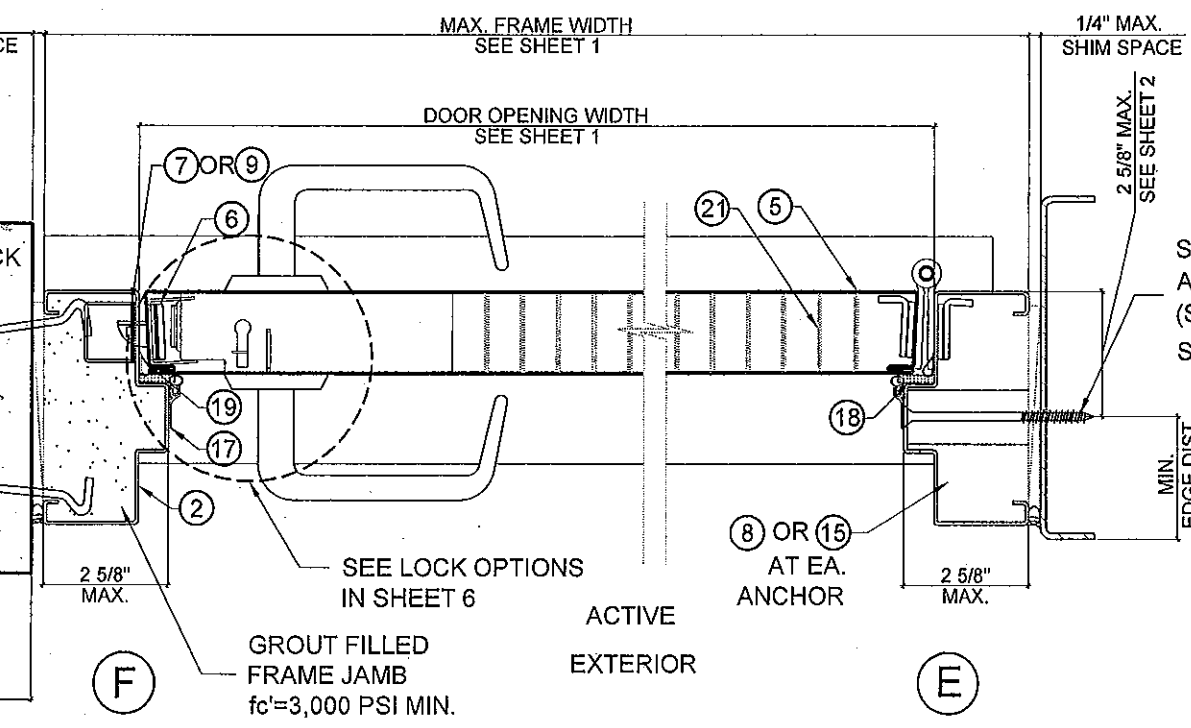
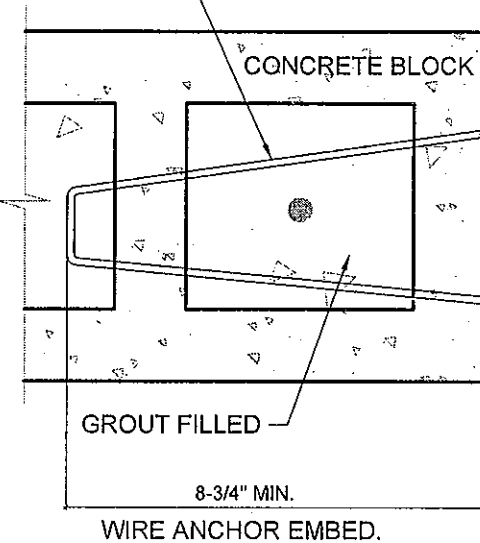


WIRE ANCHOR
(SEE SHEET 1
FOR SPACING)



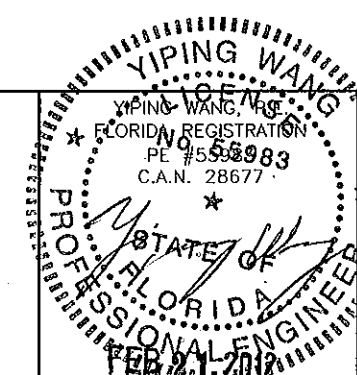
NOTE: JAMB MUST FULL
BEARING ON SUBSTRATE.

WIRE ANCHOR
(SEE SHEET 1
FOR SPACING)



DOOR SECTION DETAILS
FOR DOUBLE RABBIT DOOR FRAMES

Approved as complying with the
Florida Building Code
Date 03/09/12
NOAH 11-0902-01
Miami Dade Product Control
By Ishag I. Chahade



MIAMI DADE COUNTY

REVISIONS	NO	DATE	DESCRIPTION

MCY ENGINEERING, INC.
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GENSTORM OPAQUE INSWING STEEL DOOR (LM1)

gensteeldoors

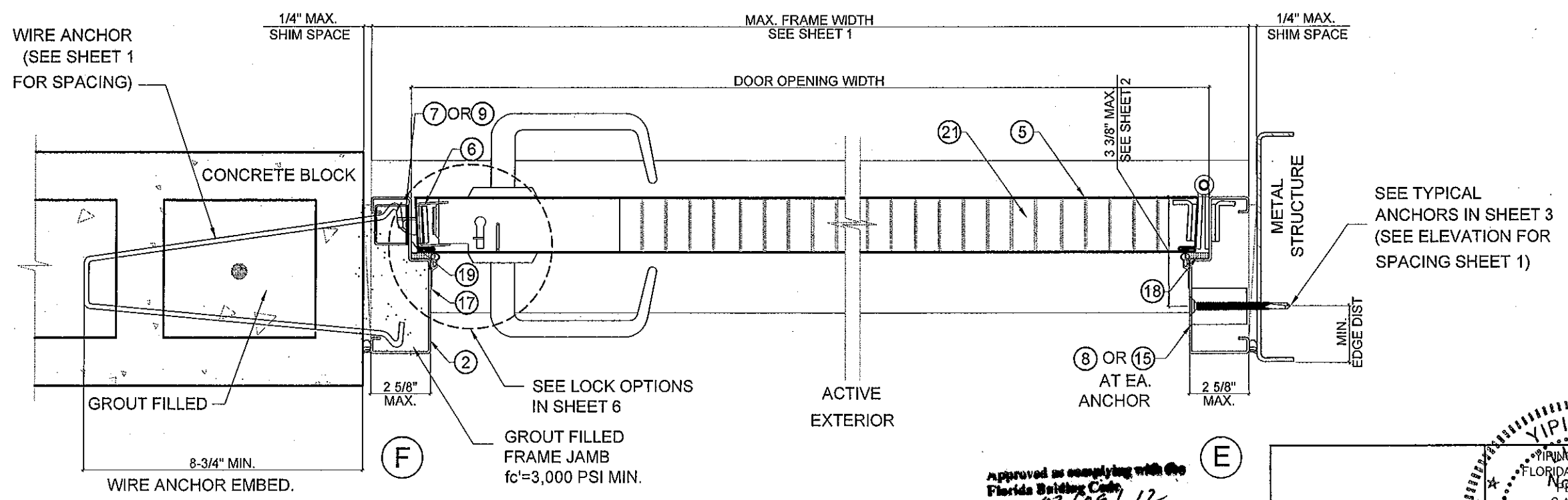
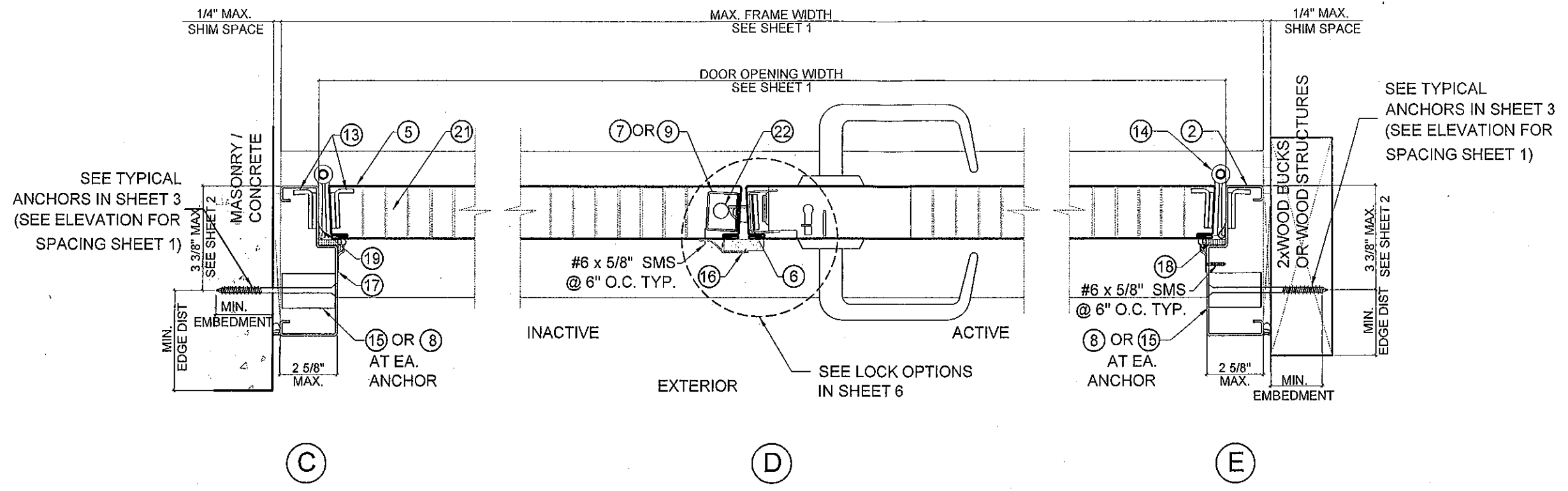
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Tel: (514) 733-3562 Fax: (514) 733-1932

DATE	02-02-12
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DRAWN	S.L.
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DRAWING NO.
AD11-04

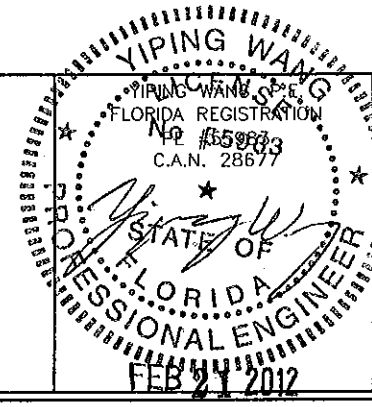
SHEET 4 OF 8



NOTE: JAMB MUST FULL BEARING ON SUBSTRATE.

DOOR SECTION DETAILS FOR SINGLE RABBIT DOOR FRAMES

Approved as complying with the Florida Building Code
 Date: 03/08/12
 NOAH 11-0901.01
 Miami Dade Product Control
 By: Ishag I. Chande



MIAMI DADE COUNTY

REVISIONS	
NO.	DESCRIPTION

MCY ENGINEERING, INC.
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GENSTORM OPAQUE INSURING STEEL DOOR (LMI)

gensteeldoors
 www.gensteeldoors.com

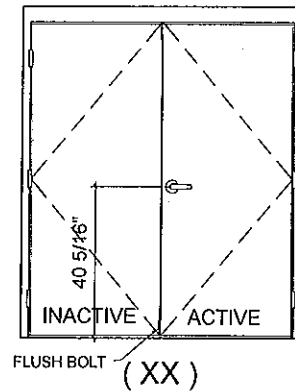
4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
 Tel: (514) 733-3562 Fax: (514) 733-1932

DATE	02-02-12
SCALE	N.T.S.
DRAWN	S.L.
PROJECT	11-007
DRAWING NO.	AD11-04
SHEET	5 OF 8

LOCK OPTIONS

LOCK OPTIONS FOR DOUBLE DOORS ACTIVE PANEL
CAN APPLY TO SINGLE DOORS

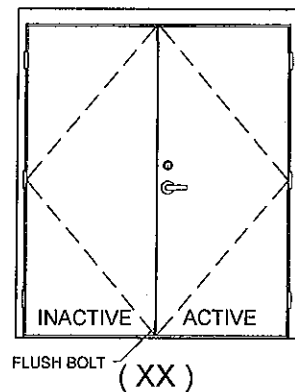
(EXTERIOR ELEVATIONS - INSWING DOORS)



OPTION 1

ACTIVE LEAF:
DOREX 12 SERIES LOCK SET
40 5/16" FROM BOTTOM

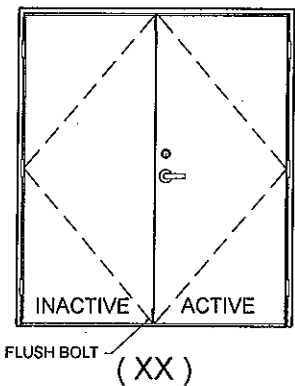
INACTIVE LEAF:
STRIKE FOR LOCKSET.
IVES FB 458 MANUAL FLUSH BOLT
(TOP & BOTTOM)



OPTION 2

ACTIVE LEAF:
SCHLAGE AL SERIES LOCK SET,
40 5/16" FROM BOTTOM.
& SCHLAGE B SERIES DEADLOCK,
46 5/16" FROM BOTTOM.

INACTIVE LEAF:
STRIKE FOR LOCKSET.
STRIKES FOR DEADLOCK.
IVES FB 458 MANUAL FLUSH BOLT
TOP & BOTTOM



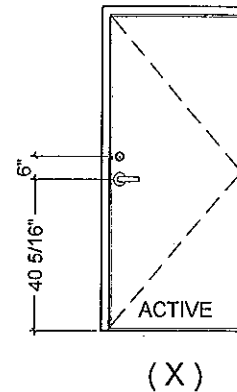
OPTION 3

ACTIVE LEAF:
DOREX FH SERIES LOCKSET,
40 5/16" FROM BOTTOM.
DOREX TLA SERIES DEADLOCK,
46 5/16" FROM BOTTOM.

INACTIVE LEAF:
STRIKE FOR LOCKSET.
STRIKES FOR DEADLOCK.
IVES FB 458 MANUAL FLUSH BOLT
TOP & BOTTOM

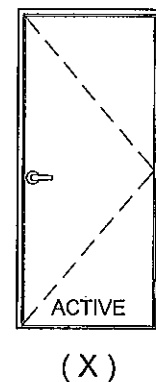
HINGES: STEEL BUTT HINGES 3 PER LEAF. LOCATED AT 12" MAX. FROM TOP OF THE DOOR TO CENTER LINE OF 1ST HINGE AND TO BE SPACED OUT NOT TO EXCEED 33" FROM CL TO CL OF HINGE. TO BE FASTENED BY (4) #12-24 x 1/2" FLATHEAD MACHINE SCREWS.

HARDWARE LOCATIONS: ALL THESE DOORS WERE MANUFACTURED WITH THE CYLINDRICAL, LEVER, OR KNOBS AT 40-5/16" C.L. FROM THE BOTTOM OF THE FRAME. ALL THE DEADLOCKS WERE POSITIONED 46-5/16" FROM THE BOTTOM OF THE FRAME.



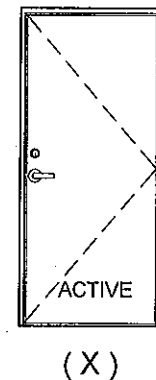
OPTION 4

ACTIVE LEAF:
SCHLAGE AL SERIES LOCK SET,
40 5/16" FROM BOTTOM.
& SCHLAGE B SERIES DEADLOCK,
46 5/16" FROM BOTTOM



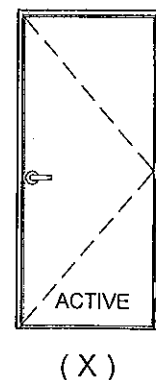
OPTION 5

ACTIVE LEAF:
DOREX FHA SERIES LOCKSET,
40 5/16" FROM BOTTOM.



OPTION 6

ACTIVE LEAF:
DOREX FH SERIES LOCKSET,
40 5/16" FROM BOTTOM.
DOREX TLA SERIES DEADLOCK,
46 5/16" FROM BOTTOM.



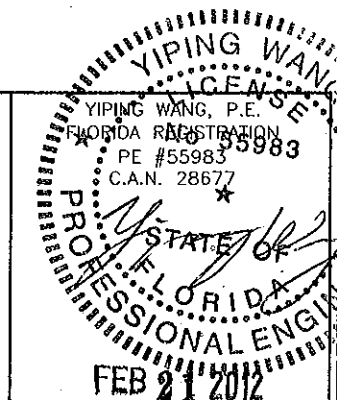
OPTION 7

ACTIVE LEAF:
SCHLAGE AL SERIES LOCKSET,
40 5/16" FROM BOTTOM.

CONTINUOUS VERTICAL
LOCK SEAM SPOT WELDED
AT EACH END

DOOR EDGE CONSTRUCTION

Approved as complying with the
Florida Building Code
Date: 03/08/12
NOA# 11-0507.0
Miami State Product Control
By: [Signature]



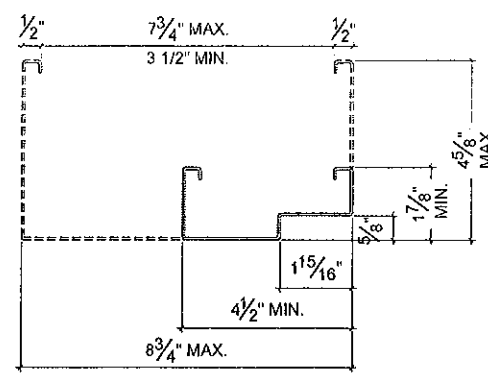
MIAMI DADE COUNTY

REVISIONS	DESCRIPTION
NO.	DATE

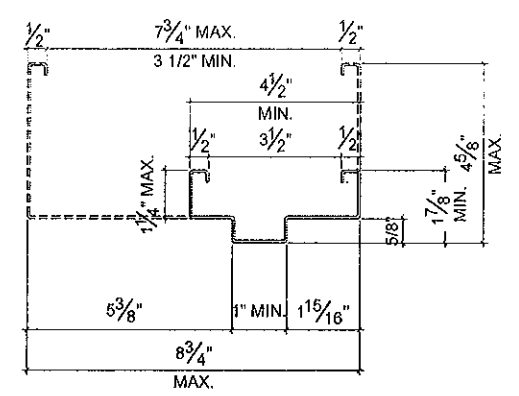
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
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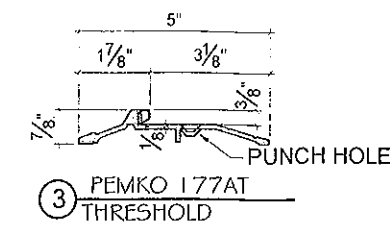
DATE	02-02-12
NTS.	
DRAWN	S.T.
PROJECT	11-007
DRAWING NO.	AD11-04
SHEET 6 OF 8	



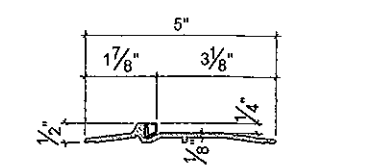
① FRAME HEAD 18 GA (0.048") STEEL
(SINGLE RABBET)



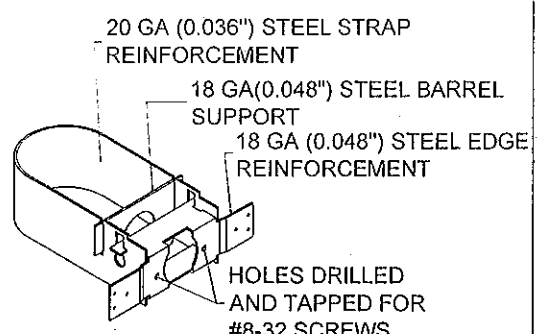
① FRAME HEAD OPTION 18 GA (0.048") STEEL
(DOUBLE RABBET)



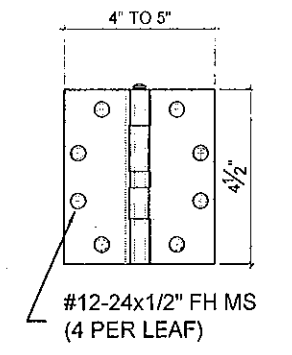
③ PEMKO 177AT
THRESHOLD



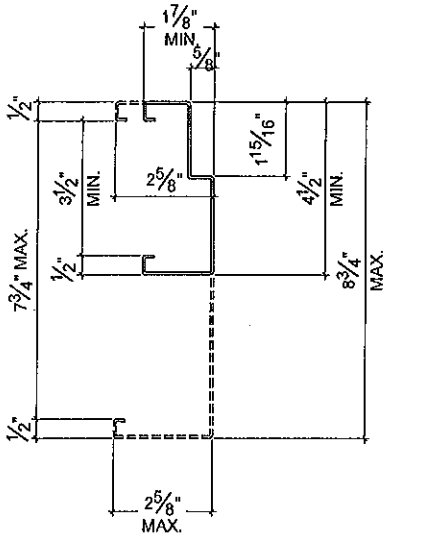
④ PEMKO 2005AT
THRESHOLD OPTION



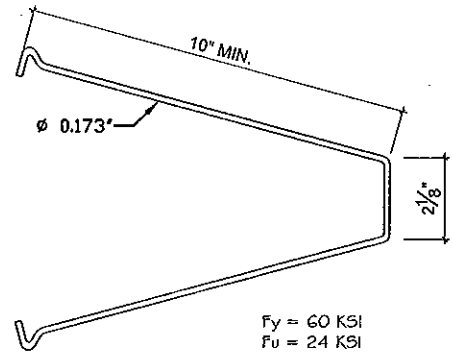
⑥ DR1600
(CYLINDRICAL LOCK
REINFORCEMENT ASSEMBLY
ALSO FOR DEAD BOLT)



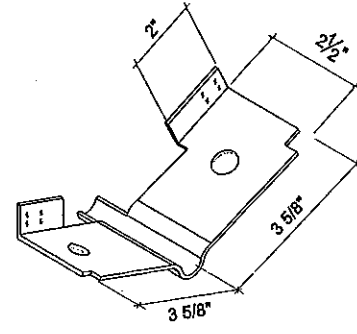
⑭ 0.134" THICK STEEL HINGE



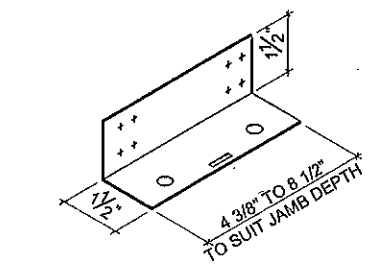
② FRAME JAMB 18 GA (0.048") STEEL
(SINGLE RABBET)



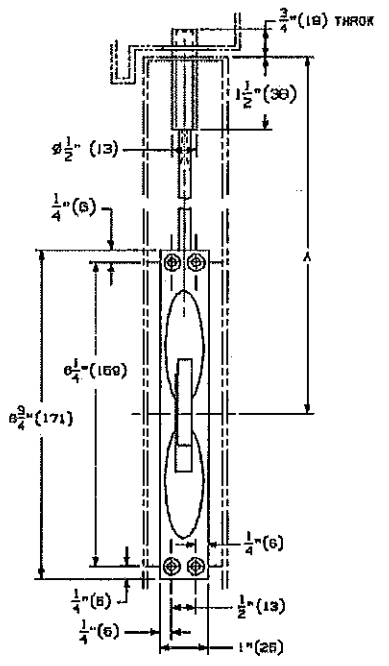
⑩ FA3030 STEEL
MASONRY WIRE ANCHOR



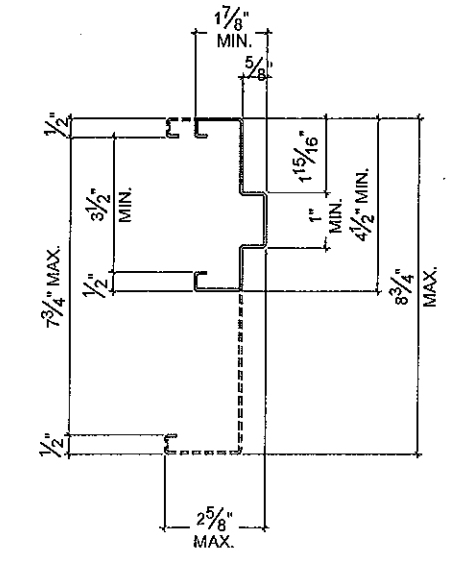
⑧ FA3010 18 GA (0.048") STEEL EMA
BUTTERFLY MASONRY ANCHOR



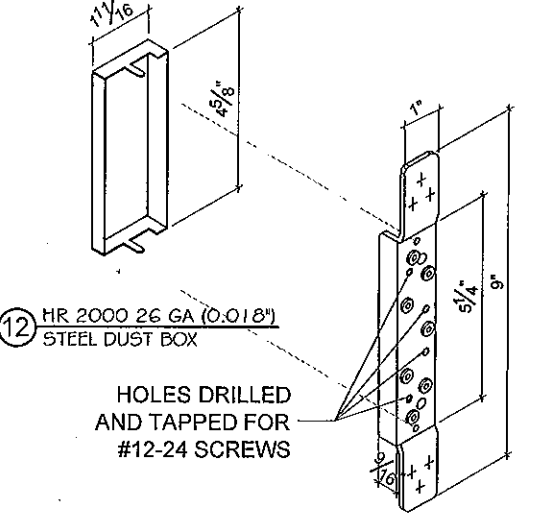
⑪ FA1040 18 GA (0.048") STEEL
FLOOR ANCHOR AS OPTION



②② IVES FB 458 FLUSH BOLT

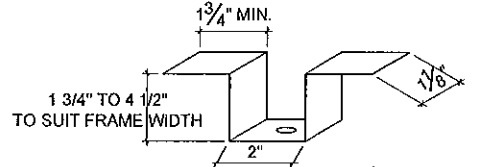


② FRAME JAMB OPTION 18 GA (0.048") STEEL
(DOUBLE RABBET)

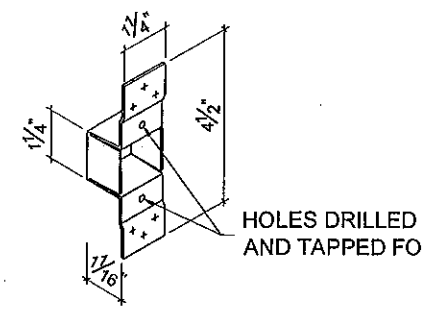


⑫ HR 2000 26 GA (0.018")
STEEL DUST BOX

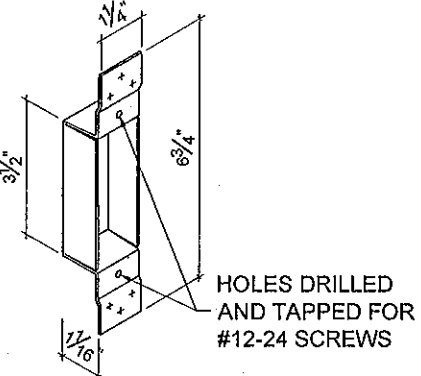
⑬ HR 1030 10 GA (0.1345") STEEL
HINGE REINFORCEMENT



⑮ FA3012 18 GA
ANCHOR CLIP OPTION

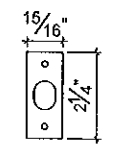


⑦ FR 1000 18 GA (0.048") STEEL
DEAD BOLT STRIKE REINFORCEMENT

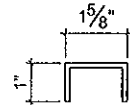


⑨ FR 1100 18 GA (0.048") STEEL
ASA STRIKE BOX REINFORCEMENT

OPTIONAL

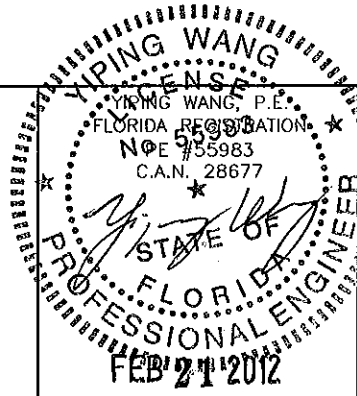


②② IVES FB 458
TOP & BOTTOM BOLT (STRIKE)



②③ 18 GA CHANNEL
(FULL LENGTH OF PANEL WIDTH)

Approved as complying with the
Florida Building Code
Date: 03/08/12
NOA: 11-0907.01
Miami State Project Control
By: Sheng L. Chan



MIAMI DADE COUNTY

REVISIONS	NO	DATE	DESCRIPTION

MCY

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Gensteel

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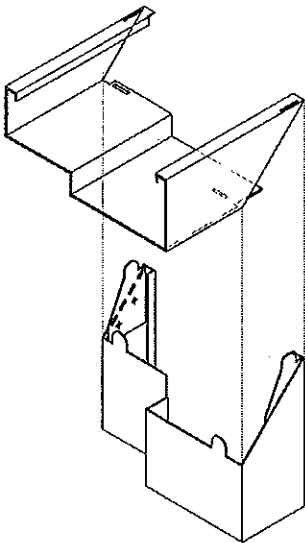
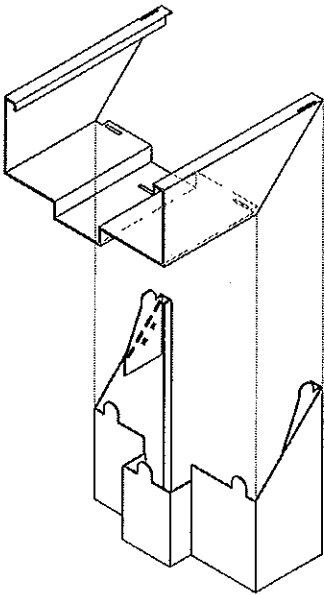
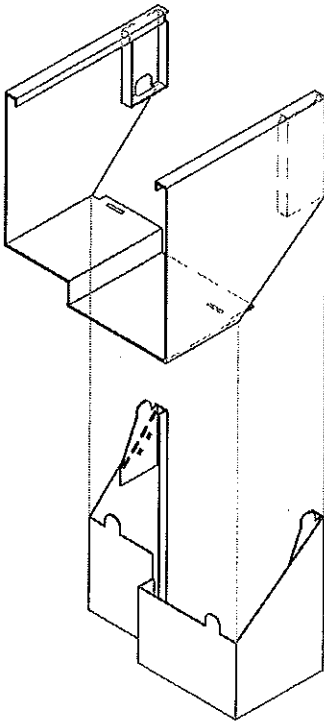
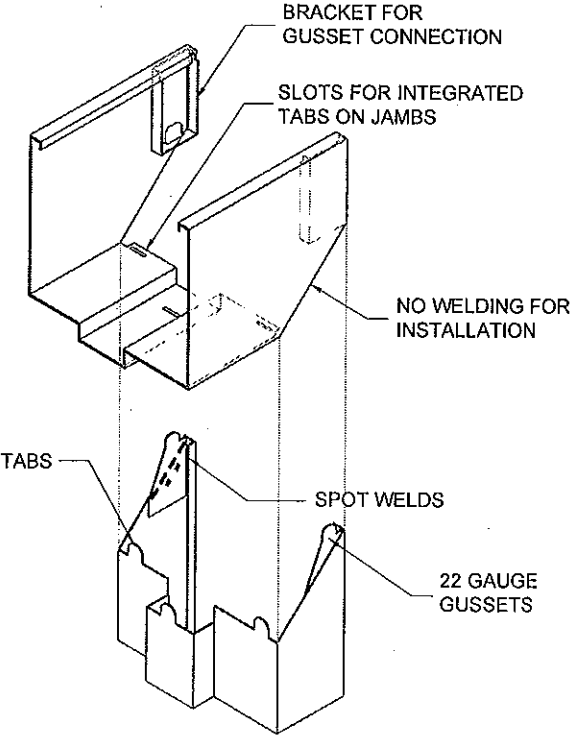
DATE	02-02-12
SCALE	N.T.S.
DRAWN	S.L.
PROJECT	11-007

DRAWING NO.	AD11-04
SHEET	7 OF 8

BILL OF MATERIALS

ITEM	PART No.	MATERIAL	QTY.	DESCRIPTION	MANUFACTURER/SUPPLIER/ REMARKS
1	-	STEEL DR ST/ST	AS REQD.	FRAME HEAD	18 GA. (0.048MIN.) Fy= 47.3 KSI MIN.
2	-	STEEL DR ST/ST	AS REQD.	FRAME JAMB	18 GA. (0.048MIN.) Fy= 47.3 KSI MIN.
3	PMK177-AT	ALUM.	1	THRESHOLD WITH THERMO SEAL INSERT	PEMKD 177AT
4	PMK 2005AT	ALUMINUM	1	OPTIONAL THRESHOLD WITH THERMO SEAL INSERT	PEMKD 2005AT
5	-	STEEL DR ST/ST	AS REQD.	DOOR PANEL 1 3/4' THK.	20 GA. (0.036MIN) Fy= 47.3 KSI MIN.
6	DR1600	STEEL	AS REQD.	CYLINDRICAL LOCK REINFORCEMENT	GENSTEEL PROGRESSION WELDED TO THE PANEL
7	FR1000	STEEL	AS REQD.	DEAD BOLT STRIKE REINFORCEMENT	GENSTEEL PROGRESSION WELDED TO THE PANEL
8	FA3010	STEEL	AS REQD.	BUTTERFLY MASONRY ANCHOR	GENSTEEL
9	FR1100	STEEL	AS REQD.	ASA STRIKE BOX	GENSTEEL PROGRESSION WELDED TO THE FRAME AND/OR THE DOOR
10	FA3030	STEEL	AS REQD.	MASONRY WIRE ANCHOR 0.173 DIA.	GENSTEEL Fy=60 KSI Fv=24 KSI MIN.
11	FA1040	STEEL	2	FLOOR ANCHOR 18 GA. (1-1/2' x 1-1/2') (OPTION)	GENSTEEL
12	HR2000	STEEL	3 PER LEAF	HINGE DUSTBOX	GENSTEEL
13	HR1030	STEEL	3 PER LEAF	HINGE REINFORCEMENT WELDED TO FRAME & DOOR	GENSTEEL PROGRESSION WELDED TO THE FRAME AND/OR THE DOOR
14	HINGE	STEEL	3 PER LEAF	4 1/2' LONG HINGE	HAGER USA OR EQUAL
15	FA3012	STEEL	AS REQD.	ANCHOR CLIP (OPTION)	GENSTEEL PROGRESSION WELDED TO THE FRAME
16	PEMKD P375R	-	AS REQD.	PEMKD 375R ASTRAGAL WITH SPONGE NEOPRENE	PEMKD (WITH #6x5/8' ST/ST SMS @ 6' O.C.)
17	PEMKD 303_S	STEEL	AS REQD.	PERIMETER GASKETING WEATHERSTRIP ADAPTER	PEMKD (WITH #6x5/8' ST/ST SMS @ 6' O.C.)
18	PEMKD 387	-	AS REQD.	ADHESIVE CLOSED CELL SPONGE WEATHERSTRIP	PEMKD
19	PEMKO 88	SILICONSEAL TM	AS REQD.	ADHESIVE GASKETING WEATHERSTRIP	PEMKD
20	PEMKO 315_N	-	1 PER LEAF.	DOOR SWEEP WEATHERSTRIP AT BOTTOM OF PANEL	PEMKD (WITH #6x1' ST/ST SMS @ 6' O.C.)
21	HONEYCOMB CORE	-	AS REQD.	INSIDE OF DOOR PANEL	GENSTEEL
22	IVES FB 458	STEEL	AS REQD.	IVES TOP & BOTTOM FLUSH BOLTS	IVES
23	CH3601	STEEL	AS REQD.	1' X 1-5/8' X 1' X 18GA DOOR END CHANNEL	GENSTEEL

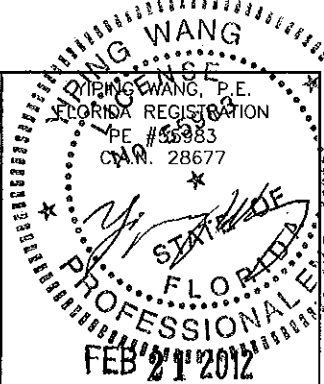
CORNER FRAME CONSTRUCTION



Approved as complying with the
 Florida Building Code
 Date 03/09/12
 NCAS 11-0907.01
 Miami Dade Product Control
 1/24/12

THE JAMB AND HEAD MEETING CORNERS ARE
 NOT REQUIRED TO BE WELDED TO EACH OTHER.
 ALL THE FRAMES WERE TESTED AS "KNOCK-DOWN" UNITS.

MIAMI DADE COUNTY



GENSTORM OPAQUE INSUNG STEEL DOOR (LMI)

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DATE	02-02-12
DESIGN	NTS.
DRAWN	S.L.
PROJECT	11-007
DRAWING NO.	
AD11-04	
SHEET 8 OF 8	